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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/966,954    11/10/97    GERARDUS DE VRIES    J    P/1034-61

LM01/1228  
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EXAMINER

NGO, C

ART UNIT

PAPER NUMBER

2787

DATE MAILED:

12/28/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

08/966,954

Applicant(s)

Gerardus De Vries

Examiner

NGO

Group Art Unit

2787

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—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

## Status

- ☒ Responsive to communication(s) filed on 10-14-99
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- ☒ Claim(s) 1-3, 5-17 and 21-25 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 1-3, 5-17 and 21-25 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
  - ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been received.
  - ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.
  - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

\*Certified copies not received: \_\_\_\_\_

## Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other \_\_\_\_\_

Office Action Summary

## DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371<sup>®</sup> of this title before the invention thereof by the applicant for patent.

2. Claims 1-3,5-17 and 21-25 rejected under 35 U.S.C. 102(e) as being clearly anticipated by Guttag et al. (5,465,224).

Guttag et al. discloses in figure 5 the same circuit including a multiplier (12) (see also figures 1-17 and their description), an arithmetic logic units (230) (see also figures 25 and 26 and their description), a control register (245) which define a tree port parametrised logic function to be performed by the ALU, a register unit (REGISTERS), a shift register unit (230,235) and bus structure as claimed.

3. Claims 1-3, 7-17 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Birman in view of Wong et al. and Doyle et al. and further in view of Guttag et al.

The combination of Birman, Wong et al. and Doyle et al as set forth in paragraph 7 of the Office action dated 05-09-97 suggests the invention substantially as claimed. It is noted

that the combination of references does not disclose claim feature that the ALU has at least three operand inputs, and a control register contains a plurality of bits which define a three port parametrised logic function to be performed on the three operand inputs as now added to the claims. However, Guttag et al. disclose in figure 5 an arithmetic logic units (230) (see also figures 25 and 26 and their description), a control register (245) which define a tree port parametrised logic function to be performed by the ALU as claimed. It would have been obvious to a person of ordinary skill in the art to further provide the combination of references an ALU and a control register as taught by Guttag et al. in order to have more flexibility in processing image signal.

4. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Chuong D. Ngo whose telephone number is (703) 305-9764.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.

The fax number for this Group is (703) 308-9051 or 9052.



Chuong D. Ngo  
Primary Examiner  
Art Unit 2787

12-20-99.